

# Session Three

## Assessment of Current CNS Technology R&D Programs

- Objective-Identify gaps in current R&D

# R&D Gaps

- I/F between CMU and FMC
  - Move uploaded data and auto-load into FMC/FMS
- Human factors in the cockpit
  - More workload is not necessarily a bad thing
- CONOPS on Datalink for ATC
  - Risk of visual overload in the cockpit

# R&D Gaps Continued

- Low-cost MFDs
  - Enabling technology for situational awareness
- Short-term controller aids
  - E.g. Ten mile offset
- Shared separation responsibility
  - Don't abandon progress toward self-separation
- Communications shortfalls at small airports
  - as identified by Rick Weiss
- Approach lighting systems at small airports

# Lessons Learned

- Being made aware of projects currently in the works
- Have people from the front line influence R&D efforts so the results can be applied in practical applications
  - E.g. controllers, aircraft certification, flight standards and AOC people
- International implications (NAS vs Global CNS/ATM)